



SUSQUEHANNA RIVER BASIN COMMISSION

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Web <http://www.srbc.net>

Groundwater Withdrawal Application Summary

Source Name: well 7

SRBC Pending No.: 2019-012

This summary is only a portion of the application materials and is meant to provide general information about the proposed project.

1.1 Project Sponsor

Company Name: Sunset Golf Course
Mailing Address Line 1: 783 S. Geyers Church Rd.
Mailing Address Line 2:
City: Middletown
State: PA
ZIP Code: 17057

Contact Person:

First Name: Sam
Last Name: Risteff
Title: Golf Superintendent
Telephone: 717-944-3090
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Mobile: 717-943-4547
E-mail: sristeff@londonderrypa.org

1.3 Existing and Projected Facility Water Use

The usage should be entered in million gallons per day (mgd) and rounded off to the nearest one thousand gallons (three decimal places).

Projected Design Year:
2024

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.058	0.058
Maximum Daily Water Demand :	0.114	0.114
System Capacity :	0.176	0.176

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 11
Maximum Instantaneous Withdrawal Rate (gpm): 100
Maximum 24-Hour Day (mgd): 0.144
Maximum 30-Day Average (mgd): 0.059

2.2 Facility Location

Please enter the address of the parcel where the Project Facility is located.

Street Address: 783 Geyers Church Road

State: PA

County: Dauphin

Municipality: Londonderry Township

Zip Code: 17057

Subbasin: Lower Susquehanna

2.1 Project Facility Description

Well 7 is a new groundwater source for irrigation located on the front nine of the Sunset Golf Course, Londonderry Township, Dauphin County. The groundwater withdrawal application for Well 7 requests a 30-day average withdrawal rate of 0.0059 MGD (41 gpm) and a maximum instantaneous withdrawal rate of 100 gpm.

Sunset Golf Course is a public, 18-hole, 229 acre course purchased in the late 1960s by Londonderry Township. It was constructed in 1959 as a nine-hole course that served the former Olmsted Air Force Base, now the Harrisburg International Airport (HIA). In 1975, the back nine was added and in 1992, an irrigation system was installed. The front and back nine are each served by separate irrigation systems and are not interconnected. In 1999, Commission Docket No. 19990506 authorized the consumptive use of up to 0.181 MGD for golf course irrigation utilizing Pond 7 for the front nine and Pond 12 for the back nine supplemented as needed by Pond 11.

Pond 7 is prone to a shortage of water for irrigation because of its topographic high position on the crest of a diabase ridge and its relatively small runoff catchment area. The shortage was particularly critical in 2017, a dry year, when course renovations resulting from Federal Aviation Administration requirements for HIA required additional irrigation to establish approximately 5 acres of newly planted sod, grass and landscape plantings. Well 7 was installed to provide supplemental water to Pond 7. It operates under an SRBC Emergency Certificate issued June 23, 2017 pending approval of this withdrawal application.

The irrigation period runs from April to November of each year, with Well 7 and Well 8 (serving the back nine Pond 12) operating an average of 90 days during the period. When in use, the wells are each pumped during the day for a maximum of 12 hours to replenish the level in the ponds. Well 7 is metered and total gallons pumped are recorded prior to resetting the meter. A depth to water measurement is also collected. Well 8 is not metered and flow is measured with a bucket and stop watch.